

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/18/2021 09:16 AM
Cytometer Baseline: 06/17/2021 09:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123725	-2	1.27	123604	1.26
Blue	F	SSC	125000	122525	-2	2.72	122795	2.53
Blue	E	FITC	13131	12763	-3	2.26	294	15.61
Blue	D	PE	24112	23660	-2	1.64	543	10.75
Blue	B	PerCP-Cy5-5	31295	30612	-3	3.01	1015	14.39
Blue	A	PE-Cy7	19939	19434	-3	5.00	518	28.20
Red	C	APC	42122	41490	-2	3.02	1739	11.42
Red	A	APC-Cy7	22340	21481	-4	3.32	803	11.46
Violet	B	V450	7410	7074	-5	3.88	436	12.44
Violet	A	V500	28118	27095	-4	3.45	680	9.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22900	0.90	562	-7	N/A	N/A	Pass
Blue	F	SSC	57015	1.10	515	3	N/A	N/A	Pass
Blue	E	FITC	54	53.22	485	-2	0.0403	68	Pass
Blue	D	PE	114	36.61	487	-1	0.3966	277	Pass
Blue	B	PerCP-Cy5-5	188	35.41	583	-3	0.0202	60	Pass
Blue	A	PE-Cy7	104	68.12	624	-4	0.0240	11	Pass
Red	C	APC	403	23.29	575	-1	0.0272	102	Pass
Red	A	APC-Cy7	179	27.23	547	-4	0.0066	1079	Pass
Violet	B	V450	62	61.19	456	3	0.0619	2269	Pass
Violet	A	V500	98	34.44	468	3	0.0283	1039	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.17	-31.89	0.99
Blue	20.35	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.41
Red	16.98	13.60 - 20.40	N/A	N/A	30.35	30.48	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10634

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments